

# Samik Basu

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

672  
citations

1163117

8  
h-index

1199594

12  
g-index

45  
all docs

45  
docs citations

45  
times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	A taxonomy of intrusion response systems. International Journal of Information and Computer Security, 2007, 1, 169.	0.2	119
2	A Cost-Sensitive Model for Preemptive Intrusion Response Systems. International Conference on Advanced Networking and Applications, 2007, , .	0.0	55
3	Choreography conformance via synchronizability. , 2011, , .		54
4	Deciding choreography realizability. ACM SIGPLAN Notices, 2012, 47, 191-202.	0.2	44
5	Compositional model checking of software product lines using variation point obligations. Automated Software Engineering, 2011, 18, 39-76.	2.9	42
6	On Context-Specific Substitutability of Web Services. , 2007, , .		41
7	Cross-Layer Based Anomaly Detection in Wireless Mesh Networks. , 2009, , .		33
8	Automated Choreographer Synthesis for Web Services Composition Using I/O Automata. , 2007, , .		32
9	A Framework for Cost Sensitive Assessment of Intrusion Response Selection. , 2009, , .		24
10	On the symbiosis of specification-based and anomaly-based detection. Computers and Security, 2010, 29, 253-268.	6.0	22
11	Compositional analysis for verification of parameterized systems. Theoretical Computer Science, 2006, 354, 211-229.	0.9	16
12	Optimum Decentralized Choreography for Web Services Composition. , 2008, , .		14
13	Identifying Optimal Composite Services by Decomposing the Service Composition Problem. , 2011, , .		13
14	MoSCoE: AN APPROACH FOR COMPOSING WEB SERVICES THROUGH ITERATIVE REFORMULATION OF FUNCTIONAL SPECIFICATIONS. International Journal on Artificial Intelligence Tools, 2008, 17, 109-138.	1.0	12
15	Towards cost-sensitive assessment of intrusion response selection. Journal of Computer Security, 2012, 20, 169-198.	0.8	12
16	Quotient-based Control Synthesis for Non-Deterministic Plants with Mu-Calculus Specifications. , 2006, , .		11
17	Specification Synthesis for Monitoring and Analysis of MANET Protocols. , 2007, , .		11
18	XIDR: A Dynamic Framework Utilizing Cross-Layer Intrusion Detection for Effective Response Deployment. , 2010, , .		10

#	ARTICLE	IF	CITATIONS
19	Detecting Cross-Site Scripting Vulnerability Using Concolic Testing. , 2013, , .		10
20	A Model Checking Approach to Protocol Conversion. Electronic Notes in Theoretical Computer Science, 2008, 203, 81-94.	0.9	9
21	Automata-Based Verification of Security Requirements of Composite Web Services. , 2010, , .		9
22	Automating analysis of qualitative preferences in goal-oriented requirements engineering. , 2011, , .		8
23	On Utilizing Qualitative Preferences in Web Service Composition: A CP-net Based Approach. , 2008, , .		7
24	S-MAIDS: A Semantic Model for Automated Tuning, Correlation, and Response Selection in Intrusion Detection Systems. , 2013, , .		7
25	Selecting and Composing Web Services through Iterative Reformulation of Functional Specifications. , 2006, , .		6
26	Quotient-based control synthesis for partially observed non-deterministic plants with mu-calculus specifications. , 2007, , .		6
27	Masquerade Detection in Network Environments. , 2010, , .		5
28	Automated Caching of Behavioral Patterns for Efficient Run-Time Monitoring. , 2006, , .		4
29	Local Module Checking for CTL Specifications. Electronic Notes in Theoretical Computer Science, 2007, 176, 125-141.	0.9	4
30	Composing Web Services through Automatic Reformulation of Service Specifications. , 2008, , .		4
31	SoC Design Approach Using Convertibility Verification. Eurasip Journal on Embedded Systems, 2008, 296206.	1.2	4
32	Local and On-the-fly Choreography-based Web Service Composition. , 2007, , .		3
33	A Module Checking Based Converter Synthesis Approach for SoCs. , 2008, , .		3
34	A Framework for Optimal Decentralized Service-Choreography. , 2009, , .		3
35	Control of Non-Deterministic Systems With $\mu$ -Calculus Specifications Using Quotienting. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 953-970.	13.1	3
36	Correct-by-construction multi-component SoC design. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
37	SynConSMutate: Concolic Testing of Database Applications via Synthetic Data Guided by SQL Mutants. , 2013, , .		2
38	Preference Based Service Adaptation Using Service Substitution. , 2013, , .		2
39	iConSMutate: Concolic Testing of Database Applications Using Existing Database States Guided by SQL Mutants. , 2014, , .		2
40	Selecting the minimal set of preferred responses to counter detected intrusions. , 2017, , .		2
41	Extending Substitutability in Composite Services by Allowing Asynchronous Communication with Message Buffers. , 2009, , .		1
42	Related Work and Outlook. , 2014, , 107-119.		1
43	A Cross-Domain Comparable Measurement Framework to Quantify Intrusion Detection Effectiveness. , 2016, , .		0
44	Automatic Protocol Conversion. , 2014, , 87-106.		0
45	Automatic Verification Using Model and Module Checking. , 2014, , 25-54.		0